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# NEWTON'S TELECOM DICTIONARY

Covering Telecommunications, Networking,  
Information Technology, the Internet,  
the Web, Computing, Wireless and Fiber

**MORE THAN 21,900 TERMS DEFINED**

**PBooks**

**20<sup>th</sup>**

**Updated and Expanded Edition**  
by Harry Newton

**EXHIBIT 2**

## NEWTON's TELECOM DICTIONARY

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in reference to Advanced Intelligent Network.

**Corresponding Entities** Peer entities with a lower layer connection among them.

**Corridor Service** A term that Bell Atlantic is using for calls to and from the New York City area to and from Northern New Jersey, or between Philadelphia and Southern New Jersey.

**Corrosion** The destruction of the surface of a metal by chemical reaction.

**COS** 1. See Class of Service.

2. Compatible for Open Systems.

3. Corporation for Open Systems international. A Federal Government blessed organization which aims towards standardizing OSI and ISDN. COS members include everyone from end-users to manufacturers. COS deals with private and public networking issues.

**COSINE** Cooperation for Open Systems Interconnection Networking in Europe. A program sponsored by the European Commission aimed at using OSI to tie together European research networks.

**Cosmic Rays** Atomic nuclei (mostly protons) and electrons that are observed to strike the Earth's atmosphere with exceedingly high energy.

**CoSN** Consortium for School Networking A non-profit organization that promotes the use of telecommunications in Kindergarten to 12th grade education to improve learning. Members represent state and local education agencies, as well as hardware and software vendors, Internet Service Providers (ISPs) and interested individuals. [www.cosn.org](http://www.cosn.org).

**COSName** Identifies class of service SNA.

**Cost Component** The price of each element of telecommunications service and/or equipment that comprises a configuration.

**Cost Of Service Pricing** A procedure, rationale or methodology for pricing services strictly on the basis of the cost to provide those services.

**Cost per Phone Hour** A call center term. Basic unit of resource measurement. Total costs (fixed, variable and semi-variable) divided by the number of workstation call hours that are projected or actually achieved.

**COT** 1. Continuity Check Message. The second of the ISUP call setup messages. Indicates success or failure of continuity check if one is needed. See ISUP and Common Channel Signaling.

2. Central Office Terminal or Termination. The termination of a local loop facility at the central office. See Digital Loop Carrier.

3. Customer Originated Trace. A CLASS (Custom Local Area Signaling Services) feature that allows the customer (e.g., you) to originate a trace to track harassing callers. When you get a nuisance call, you depress the switchhook and release it quickly. Then you listen for a special stuttered dial tone. You then depress \*57 on your touchtone dial pad, or dial 1157 on your rotary phone. If the last call has been successfully traced, you'll hear an announcement. The results of the successful trace are recorded by the telephone company, and are released only to law enforcement agencies, after you have signed an authorization. Your telephone company may charge you for this service, and the charge may be as high as \$100. See also CLASS.

**Coterminated Plant** Plant which has an assumed retirement dependent upon the retirement of some other item of equipment or building, etc. A telephone company term.

**COTS** 1. COConnection Transport Service.

2. Commercial Off The Shelf.

**Couch Commando** A couch potato who insists on taking charge of what he and the rest of the couch potatoes are watching on the TV.

**Couch Potato** A person who spends their life sitting on a couch surfing TV channels with a remote control TV device. See Mouse Potato.

**Coulomb** The quantity of electricity transferred by a current of one ampere in one second. One unit of quantity in measuring electricity.

**Council of Registrars** CORE. An organization charged with the responsibility for development, implementation, and maintenance of a set of new Top Level Domains (TLDs) for the Internet. See CORE for a longer explanation.

**Counter-rotating** An arrangement whereby two signal paths, one in each direction, exist in a ring topology.

An arrangement whereby two signal paths, one in each direction, exist in a ring topology. See Counter Rotating Ring.

**Counter Rotating Ring** An arrangement whereby two signal paths, the directions of which are opposite, exist in a physical ring topology. Such rings typically are

described as "Dual Counter Rotating Rings," such as described in SONET and FDDI standards. In such a physical configuration, one or more transmission paths operate in a clockwise manner, while one or more other paths operate counter-clockwise, or anti-clockwise. Should the primary path suffer catastrophic failure, the secondary path comes on line. It does this to ensure virtually uninterrupted communications. See also FDDI and SONET.

**Counterpoise** A system of electrical conductors used to complete the antenna system in place of the usual ground connection.

**Country Code** 1. The one, two or three digit number that, in the world numbering plan, identifies each country or integrated numbering plan in the world. In short, the one, two or three digits that precede the national number in an international phone call. This code is assigned in and taken from Recommendation E.163 (Numbering Plan for International Service) adopted by the ITU-T. There's a list of country codes and key country area codes in the Appendix at the back of this book. See also [www.the-acc.com](http://www.the-acc.com) and [www.sprint.com/ssi/intl\\_codes.html](http://www.sprint.com/ssi/intl_codes.html).

2. In international record carrier transmissions, the country code is a two or three alpha or numeric abbreviation of the country name following the geographical place name.

3. A two-character alphabetic code suffixed to a URL (Uniform Resource Locator) for use in communications over the Internet and WWW (World Wide Web). The country code is a portion of the Top Level Domain (TLD), and is used when the domain of the target country differs from that of the country of origin of the transmission. For example, if you send an e-mail from the U.S. to South Africa, the e-mail address would be in the format "user@userorganization.entity.za." Example country codes include .au for Australia, .jp for Japan, .sw for Sweden, .us for United States, and .za for South Africa.

**Country** For the purposes of the FCC's cable television rules, this term includes:

- Borough (in Alaska).
- District (in District of Columbia).
- Independent City (in Alaska, Maryland, Missouri, Nevada, and Virginia).
- Municipio (in Puerto Rico).
- Parish (in Louisiana).

**Coupled Modes** 1. In fiber optics, a condition wherein energy is transferred among modes. The energy share of each mode does not differ after the equilibrium length has been reached.

2. In microwave transmission, a condition where energy is transferred from the fundamental mode to higher order modes. Energy transferred to coupled modes is undesirable in usual microwave transmission in a waveguide. The frequency is kept low enough so that propagation in the waveguide is only in the fundamental mode.

**Coupler** An optical device that combines or splits power from optical fibers.

**Coupling** Any means by which energy is transferred from one conductive or dielectric medium (e.g., optical waveguide) to another, including fortuitous occurrences. Types of electrical coupling include capacitive (electrostatic) coupling, inductive coupling, and conductive (hard wire) coupling. Coupling may occur between optical fibers unless specific action is taken to prevent it. Coupling between fibers is very effectively prevented by the polymer overcoat, which also prevents the propagation of cladding modes, and provides some degree of physical protection. See also Inductive Coupling.

**Coupling Loss** The power loss suffered when coupling light from one optical device to another.

**Coupon** From Britain: A tear-off slip to encourage response to advertisements or to a promotion on packaging. The information is keyed into a telebusiness system which automatically handles the follow-up. This may be a phone call, acknowledgement letter, brochure, distribution of a lead to a distributor and so on.

**Courriel** A dumb French word for email. The word came because the French government, in its infinite wisdom, did not like the use of email, which it regarded as a bad American word.

**Courseware** A combination of Web pages, E-mail, threaded discussions, chat rooms, listservs and distance learning tools used to provide online educational services or supplement regular classroom instruction.

**COV** Control Over Voice. Mitel's proprietary signaling protocol which they use between their PBX and their proprietary analog phones.

**Cover Page** The first page of a fax message. It generally includes a header, typically the sender company's logo; the recipient's name and fax telephone number; the sender's fax and voice telephone numbers; the system's date and time; a message; a footer.

**Coverage** The percent of completeness with which a metal braid covers the underlying surface.

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